

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
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Application Serial Number: US/09/893,443

Source: ITWIG

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IFW16

RAW SEQUENCE LISTING

DATE: 12/09/2004

PATENT APPLICATION: US/09/893,443

TIME: 13:40:57

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\12092004\I893443.raw

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3 <110> APPLICANT: Gmachl, Michael
4     Peters, Jan-Michael
5     Gieffers, Christian
7 <120> TITLE OF INVENTION: Methods for Identifying Inhibitors of the Anaphase Promoting
8     Complex
10 <130> FILE REFERENCE: 0652.2310001
12 <140> CURRENT APPLICATION NUMBER: 09/893,443
13 <141> CURRENT FILING DATE: 2001-06-29
15 <150> PRIOR APPLICATION NUMBER: 60/243,157
16 <151> PRIOR FILING DATE: 2000-10-25
18 <150> PRIOR APPLICATION NUMBER: EP 0 113 832.0
19 <151> PRIOR FILING DATE: 2000-06-29
21 <160> NUMBER OF SEQ ID NOS: 3
23 <170> SOFTWARE: PatentIn version 3.2
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1051
27 <212> TYPE: PRT
28 <213> ORGANISM: Triticum aestivum
30 <400> SEQUENCE: 1
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33 1           5           10           15
36 Gln Lys Lys Thr Arg Ala Gly Glu Gly Glu Val Thr Arg Glu Glu Gly
37           20           25           30
40 Asp Ala Ala Met Ala Gly Arg Gly Asn Glu Ile Asp Glu Asp Leu His
41           35           40           45
44 Ser Arg Gln Leu Ala Val Tyr Gly Arg Glu Thr Met Lys Arg Leu Phe
45           50           55           60
48 Gly Ser Asn Val Leu Val Ser Gly Leu Gln Gly Leu Gly Ala Glu Ile
49 65           70           75           80
52 Ala Lys Asn Leu Val Leu Ala Gly Val Lys Ser Val Thr Leu His Asp
53           85           90           95
56 Asp Gly Asn Val Glu Leu Trp Asp Leu Ser Ser Asn Phe Phe Leu Ser
57           100          105          110
60 Glu Asn Asp Val Gly Gln Asn Arg Ala Gln Ala Cys Val Gln Lys Leu
61           115          120          125
64 Gln Glu Leu Asn Asn Ala Val Leu Val Ser Ala Leu Thr Gly Asp Leu
65           130          135          140
68 Thr Lys Glu His Leu Ser Lys Phe Gln Ala Val Val Phe Thr Asp Ile
69 145          150          155          160
72 Ser Leu Asp Lys Ala Ile Glu Phe Asp Asp Tyr Cys His Ser Gln Gln
73           165          170          175
76 Pro Pro Ile Ala Phe Ile Lys Ser Glu Val Arg Gly Leu Phe Gly Ser
77           180          185          190

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80 Val Phe Cys Asp Phe Gly Pro Glu Phe Thr Val Leu Asp Val Asp Gly
81      195                200                205
84 Glu Glu Pro His Thr Gly Ile Val Ala Ser Ile Ser Asn Asp Asn Pro
85      210                215                220
88 Ala Leu Val Ser Cys Val Asp Asp Glu Arg Leu Glu Phe Gln Asp Gly
89 225      230                235                240
92 Asp Leu Val Val Phe Ser Glu Val His Gly Met Thr Glu Leu Asn Asp
93      245                250                255
96 Gly Lys Pro Arg Lys Val Lys Asn Ala Arg Pro Tyr Ser Phe Phe Leu
97      260                265                270
100 Glu Glu Asp Thr Ser Ser Phe Gly Ala Tyr Val Arg Gly Gly Ile Val
101      275                280                285
104 Thr Gln Val Lys Pro Pro Lys Val Ile Lys Phe Lys Pro Leu Lys Glu
105      290                295                300
108 Ala Met Ser Glu Pro Gly Glu Phe Leu Met Ser Asp Phe Ser Lys Phe
109 305      310                315                320
112 Glu Arg Pro Pro Leu His Leu Ala Phe Gln Ala Leu Asp Lys Phe
113      325                330                335
116 Arg Thr Glu Leu Ser Arg Phe Pro Val Ala Gly Ser Thr Asp Asp Val
117      340                345                350
120 Gln Arg Val Ile Glu Tyr Ala Ile Ser Ile Asn Asp Thr Leu Gly Asp
121      355                360                365
124 Arg Lys Leu Glu Glu Ile Asp Lys Lys Leu Leu His His Phe Ala Ser
125      370                375                380
128 Gly Ser Arg Ala Val Leu Asn Pro Met Ala Ala Met Phe Gly Gly Ile
129 385      390                395                400
132 Val Gly Gln Glu Val Val Lys Ala Cys Ser Gly Lys Phe His Pro Leu
133      405                410                415
136 Tyr Gln Phe Phe Tyr Phe Asp Ser Val Glu Ser Leu Pro Val Asp Pro
137      420                425                430
140 Leu Glu Pro Gly Asp Leu Lys Pro Lys Asn Ser Arg Tyr Asp Ala Gln
141      435                440                445
144 Ile Ser Val Phe Gly Ser Lys Leu Gln Asn Lys Leu Glu Glu Ala Lys
145      450                455                460
148 Ile Phe Met Val Gly Ser Gly Ala Leu Gly Cys Glu Phe Leu Lys Asn
149 465      470                475                480
152 Leu Ala Leu Met Gly Ile Ser Cys Ser Gln Asn Gly Asn Leu Thr Leu
153      485                490                495
156 Thr Asp Asp Asp Val Ile Glu Lys Ser Asn Leu Ser Arg Gln Phe Leu
157      500                505                510
160 Phe Arg Asp Trp Asn Ile Gly Gln Pro Lys Ser Thr Val Ala Ala Thr
161      515                520                525
164 Ala Ala Met Val Ile Asn Pro Lys Leu His Val Glu Ala Leu Gln Asn
165      530                535                540
168 Arg Ala Ser Pro Glu Thr Glu Asn Val Phe Asn Asp Ala Phe Trp Glu
169 545      550                555                560
172 Asn Leu Asp Ala Val Asn Ala Leu Asp Asn Val Thr Ala Arg Met
173      565                570                575
176 Tyr Ile Asp Ser Arg Cys Val Tyr Phe Gln Lys Pro Leu Leu Glu Ser

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177          580          585          590
180 Gly Thr Leu Gly Ala Lys Cys Asn Thr Gln Met Val Ile Pro His Leu
181          595          600          605
184 Thr Glu Asn Tyr Gly Ala Ser Arg Asp Pro Pro Glu Lys Gln Ala Pro
185          610          615          620
188 Met Cys Thr Val His Ser Phe Pro His Asn Ile Asp His Cys Leu Thr
189 625          630          635          640
192 Trp Ala Arg Ser Glu Phe Glu Gly Leu Leu Glu Lys Thr Pro Thr Glu
193          645          650          655
196 Val Asn Ala Phe Leu Ser Asn Pro Thr Thr Tyr Ile Ser Ala Ala Arg
197          660          665          670
200 Thr Ala Gly Asp Ala Gln Ala Arg Asp Gln Leu Glu Arg Val Ile Glu
201          675          680          685
204 Cys Leu Asp Arg Asp Lys Cys Glu Thr Phe Gln Asp Ser Ile Thr Trp
205          690          695          700
208 Ala Arg Leu Lys Phe Glu Asp Tyr Phe Ser Asn Arg Val Lys Gln Leu
209 705          710          715          720
212 Thr Phe Thr Phe Pro Glu Asp Ser Met Thr Ser Ser Gly Ala Pro Phe
213          725          730          735
216 Trp Ser Ala Pro Lys Arg Phe Pro Arg Pro Val Glu Phe Ser Ser Ser
217          740          745          750
220 Asp Gln Ser Gln Leu Ser Phe Ile Leu Ala Ala Ala Ile Leu Arg Ala
221          755          760          765
224 Glu Thr Phe Gly Ile Pro Ile Pro Glu Trp Ala Lys Thr Pro Asn Lys
225          770          775          780
228 Leu Ala Ala Glu Ala Val Asp Lys Val Ile Val Pro Asp Phe Gln Pro
229 785          790          795          800
232 Lys Gln Gly Val Lys Ile Val Thr His Glu Lys Ala Thr Ser Leu Ser
233          805          810          815
236 Ser Ala Ser Val Asp Asp Ala Ala Val Ile Glu Glu Leu Ile Ala Lys
237          820          825          830
240 Leu Glu Glu Val Ser Lys Thr Leu Pro Ser Gly Phe His Met Asn Pro
241          835          840          845
244 Ile Gln Phe Glu Lys Asp Asp Asp Thr Asn Phe His Met Asp Val Ile
245          850          855          860
248 Ala Gly Phe Ala Asn Met Arg Ala Arg Asn Tyr Ser Ile Pro Glu Val
249 865          870          875          880
252 Asp Lys Leu Lys Ala Lys Phe Ile Ala Gly Arg Ile Ile Pro Ala Ile
253          885          890          895
256 Ala Thr Ser Thr Ala Met Ala Thr Gly Leu Val Cys Leu Glu Leu Tyr
257          900          905          910
260 Lys Ala Leu Ala Gly Gly His Lys Val Glu Asp Tyr Arg Asn Thr Phe
261          915          920          925
264 Ala Asn Leu Ala Ile Pro Leu Phe Ser Ile Ala Glu Pro Val Pro Pro
265          930          935          940
268 Lys Thr Ile Lys His Gln Glu Leu Ser Trp Thr Val Trp Asp Arg Trp
269 945          950          955          960
272 Thr Val Thr Gly Asn Ile Thr Leu Arg Glu Leu Leu Glu Trp Leu Lys
273          965          970          975

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276 Glu Lys Gly Leu Asn Ala Tyr Ser Ile Ser Cys Gly Thr Ser Leu Leu
277          980          985          990
280 Tyr Asn Ser Met Phe Pro Arg His Lys Glu Arg Leu Asp Arg Lys Val
281          995          1000          1005
284 Val Asp Val Ala Arg Glu Val Ala Lys Met Glu Val Pro Ser Tyr
285          1010          1015          1020
288 Arg Arg His Leu Asp Val Val Val Ala Cys Glu Asp Asp Asp Asp
289          1025          1030          1035
292 Asn Asp Val Asp Ile Pro Leu Val Ser Val Tyr Phe Arg
293          1040          1045          1050
296 <210> SEQ ID NO: 2
297 <211> LENGTH: 147
298 <212> TYPE: PRT
299 <213> ORGANISM: Homo sapiens
301 <400> SEQUENCE: 2
303 Met Ala Leu Lys Arg Ile His Lys Glu Leu Asn Asp Leu Ala Arg Asp
304 1          5          10          15
307 Pro Pro Ala Gln Cys Ser Ala Gly Pro Val Gly Asp Asp Met Phe His
308          20          25          30
311 Trp Gln Ala Thr Ile Met Gly Pro Asn Asp Ser Pro Tyr Gln Gly Gly
312          35          40          45
315 Val Phe Phe Leu Thr Ile His Phe Pro Thr Asp Tyr Pro Phe Lys Pro
316          50          55          60
319 Pro Lys Val Ala Phe Thr Thr Arg Ile Tyr His Pro Asn Ile Asn Ser
320 65          70          75          80
323 Asn Gly Ser Ile Cys Leu Asp Ile Leu Arg Ser Gln Trp Ser Pro Ala
324          85          90          95
327 Leu Thr Ile Ser Lys Val Leu Leu Ser Ile Cys Ser Leu Leu Cys Asp
328          100          105          110
331 Pro Asn Pro Asp Asp Pro Leu Val Pro Glu Ile Ala Arg Ile Tyr Lys
332          115          120          125
335 Thr Asp Arg Glu Lys Tyr Asn Arg Ile Ala Arg Glu Trp Thr Gln Lys
336          130          135          140
339 Tyr Ala Met
340 145
343 <210> SEQ ID NO: 3
344 <211> LENGTH: 84
345 <212> TYPE: PRT
346 <213> ORGANISM: Homo sapiens
348 <400> SEQUENCE: 3
350 Met Lys Val Lys Ile Lys Cys Trp Asn Gly Val Ala Thr Trp Leu Trp
351 1          5          10          15
354 Val Ala Asn Asp Glu Asn Cys Gly Ile Cys Arg Met Ala Phe Asn Gly
355          20          25          30
358 Cys Cys Pro Asp Cys Lys Val Pro Gly Asp Asp Cys Pro Leu Val Trp
359          35          40          45
362 Gly Gln Cys Ser His Cys Phe His Met His Cys Ile Leu Lys Trp Leu
363          50          55          60
366 His Ala Gln Gln Val Gln Gln His Cys Pro Met Cys Arg Gln Glu Trp

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367	65	70	75	80
370	Lys Phe Lys Glu			

VERIFICATION SUMMARY

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